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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO	
10/729,604	12/05/2003	Ronald Alan Coffee	4897.0512870 1573	
	7590 11/19/200 /N TODD, LLC	EXAMINER		
2200 PNC CEN	NTER	ALI, SHUMAYA B		
201 E. FIFTH STREET CINCINNATI, OH 45202			ART UNIT	PAPER NUMBER
,			3771	
			NOTIFICATION DATE	DELIVERY MODE
			11/19/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

dbell@fbtlaw.com rgaunce@fbtlaw.com

						
Office Action Summary		Applicatio	n No.	Applicant(s)		
		10/729,60	4	COFFEE ET AL.		
		Examiner		Art Unit		
		Shumaya E		3771		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR FOR INCHEVER IS LONGER, FROM THE MAIL! In assigns of time may be available under the provisions of 37 of SIX (6) MONTHS from the mailing date of this communicated period for reply is specified above, the maximum statutory re to reply within the set or extended period for reply will, by reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF TH CFR 1.136(a). In no eve tion. period will apply and will y statute, cause the appli	IS COMMUNICATION nt, however, may a reply be tim l expire SIX (6) MONTHS from cation to become ABANDONEI	N. hely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status						
1)⊠	Responsive to communication(s) filed on	n <u>8/16/07</u> .				
2a)⊠	This action is FINAL . 2b) ☐ This action is non-final.					
3)	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice un	nder <i>Ex par</i> te Qua	<i>₃yle</i> , 1935 C.D. 11, 45	33 O.G. 213.		
Dispositi	on of Claims		•			
4) Claim(s) 57-64 is/are pending in the application. 4a) Of the above claim(s) 61-63 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 57-60, 64 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
10)⊠	The specification is objected to by the Ext The drawing(s) filed on <u>05 December 200</u> Applicant may not request that any objection Replacement drawing sheet(s) including the of The oath or declaration is objected to by the	0.3 is/are: a) \square actorial displays actorial	e held in abeyance. See	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
Priority u	ınder 35 U.S.C. § 119					
12)⊠ a)[Acknowledgment is made of a claim for for All b) Some * c) None of: 1. Certified copies of the priority docu 2. Certified copies of the priority docu 3. Copies of the certified copies of the application from the International Elee the attached detailed Office action for	uments have beer uments have beer e priority docume Bureau (PCT Rule	n received. n received in Application nts have been receive e 17.2(a)).	on No ed in this National Stage		
2) Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-9		4) Interview Summary Paper No(s)/Mail Da	ite		
	mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date		5) Notice of Informal Page 6) Other:	atent Application		

DETAILED ACTION

Status of Claims

In response to the office action mailed on 5/16/07, Applicant has amended claims 57-60, and entered new claim 64. Claims 1-56 are previously cancelled. Claims 61-63 are previously withdrawn. Currently, claims 57-60, and 64 are pending in the instant application.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 57,58, 60, and 64 are rejected under 35 U.S.C. 102(b) as being anticipated by Coffee WO/98/03267.

As to claim 57, Coffee discloses a method of controlling the geometry or shape of comminuted mater produced by electrohydrodynamic (Coffee on page 10, lines 10-18, and page 24, lines 15-17 discloses the pump chamber 10 for moving liquid can be electrohydrodynamic pump) comminution of at least one liquid (pump chamber 10 contains at least one liquid, see page 14, lines 22-25; examples of liquid, i.e., polyvinyl alcohol, polyglycolic acid are listed on page 22, lines 25-27), which method comprises including an effective amount of at least one polymer (see polymer solution on page 24, and lines 18-35, and a list of polymer on page 23, lines 1-17) having a molecular weight of from about 40,000

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to about 400,000 in at least one of the liquids (see page 12, lines 35 and 36, and page 13, lines 1-4, where polymer weight is disclosed being 140,000 or more).

As to claim 58, Coffee discloses the polymer is polyvinyl alcohol or polyvinyl pyrrolidone in at least one of the liquids (see page 19, line 22, and page 20, lines 13-25 for polyvinyl alcohol).

As to claim 60, Coffee discloses wherein the liquid comprises water and alcohol (see page 19, lines 22 and 23).

As to claim 64, Coffee discloses the liquid does not include surfactants (it is inherent that water and alcohol does not contain surfactants since Coffee does not state that water or alcohol is being coated with a protein).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later

invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claim 59 is rejected under 35 U.S.C. 103(a) as being unpatentable over Coffee WO/98/03267.

As to claim 59, Coffee lacks explicit teaching of controlling the geometry or shape by adding sufficient polymer to the liquid to cause at least some of the comminuted matter to have a granular form with at least a portion of the granules having fibrils or tails. However, Coffee on page 20, lines 33-35, page 25, lines 1-26, page 26, lines 25-29, and page 29, lines 31-36 discloses controlling factors such as size of the nozzle, and/or molecular weight of the liquid, and/or liquid flow rate, and/or type of solvent, and/or type of liquid, and/or voltage can be adjusted to control the size and shape of the comminuted matter. Coffee further teaches the size and shape such as fibres, fibrils or microcapsules (which are granular forms) can be achieved by adjusting said control factors (see page 25, lines 32 and 33). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to derive at the size and shape of comminuted matter as claimed using Coffee's device and adjusting the control factors as discussed.

Response to Arguments

Applicant's arguments with respect to claims 57-60 have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shumaya B. Ali whose telephone number is 571-272-6088. The examiner can normally be reached on M-W-F 8:30am-5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Justine Yu can be reached on 571-272-4835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TEENA MITCHELL
PRIMARY EXAMINER

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